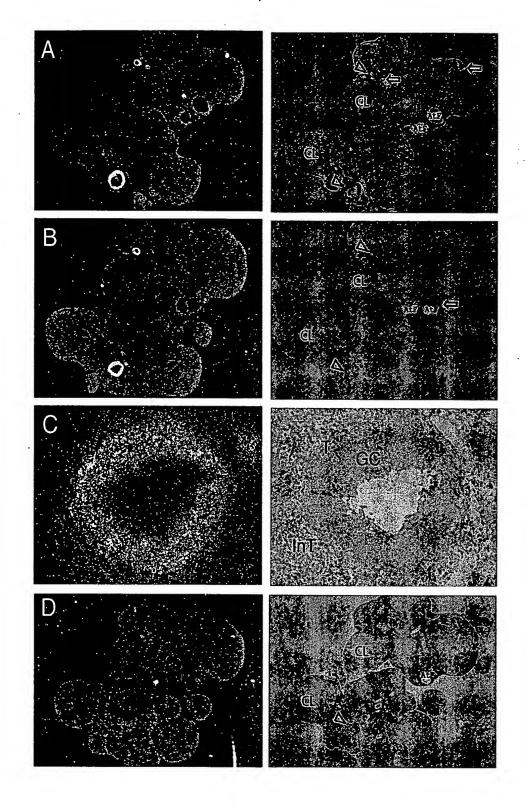
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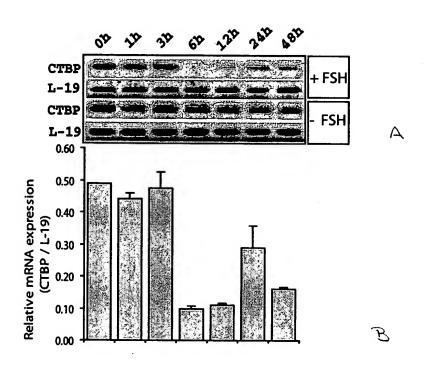
| caggcggcgag <u>atg</u> aggcggcgccagcgtttctgagcgccgacgaggtgcaggaccacc | - | (| 60 |
|-----------------------------------------------------------------------|----|-----|----|
| tccgcagctccagcctcctcatcccgccctggaggccgcactggccaacttctccaaag | - | 12 | 20 |
| gtcccgacggaggggtcatgcaaccggtgcgcaccgtggtgcctgtggccaagcaccgag | - | 18 | 80 |
| gcttcttgggagtcatgccagcctacagtgccgctgaggatgcactcaccaccaagttag | - | 24 | 40 |
| tcaccttctatgagggccacagcaacaatgctgtcccctcccaccaggcatcagtgcttc | - | 30 | 00 |
| totttgatcccagcaatggttccctgctggcggtcatggatgg | - | 36 | 60 |
| agaggacagcagccgtctctgccatcgccaccaagtttttgaagcccccaggcagtgatg | - | 42 | 20 |
| tgctgtgcattcttggggctggggtccaggcgtacagtcactatgagatcttcacagaac | _ | 48 | 80 |
| agttctccttcaaggaggtgagaatgtggaaccgcaccagggaaaatgctgagaagtttg | - | 54 | 40 |
| caagctcagtgcagggagatgttcgggtctgttcatcagtgcaggaggctgtgacaggtg | - | 60 | 00 |
| ccgatgtcatcatcacagtcaccatggcaacggagcccattttatttggtgaatgggtga | - | 66 | 60 |
| agcccggggctcacatcaatgctgttggagccagtagacctgactggcgagaactggatg | - | 72 | 20 |
| acgagetcatgaageaageagtgetgtatgtggaeteeegggaggetgeeetaaaggagt | - | 78 | 80 |
| caggagatgttctgttgtcaggggctgacatctttgctgagcttggagaagtggtttcag | - | 84 | 40 |
| gagcgaagcctgcatactgtgagaagaccacggtgttcaagtctttggggatggcagtgg | - | 90 | 00 |
| aggacctggtcgcagccaaattagtgtacgattcgtggtcatctggcaag <u>tga</u> gcagaag | - | 96 | 60 |
| gagctgtgcctgggctggatggacgtcacggctcaaacgctggctcagtgtctagatcaa | -: | 102 | 20 |
| aggaggcctagtccccagtgaacgggagtgagagtcactcataagtattgacatccctat | -1 | 108 | 30 |
| tcatgtttgtggttggata | -1 | 109 | 99 |

B

| Rat | 1 | ${\tt MRRAPAFLSADEVQDHLRSSSLLIPPLEAALANFSKGPDGGVMQPVRTVVPVAKHRGFLG}$ | (SEDIA NO. |
|--------|-----|-----------------------------------------------------------------------|------------|
| Mouse | 1 | -KE | CSEO ID NO |
| Human | 1 | -S-VTY | (55010.1 |
| Rat | 61 | ${\tt VMPAYSAAEDALTTKLVTFYEG^*HSNNAVPSHQASVLLFDPSNGSLLAVMDGNVITAKRT}$ | |
| Mouse | 61 | | |
| Human | 61 | ETDRGITSVTET | |
| Rat | 120 | AAVSAIATKFLKPPGSDVLCILGAGVQAYSHYEIFTEQFSFKEVRMWNRTRENAEKFASS | |
| Mouse | | T | |
| Human | | IKDT | |
| Rat | 180 | VQGDVRVCSSVQEAVTGADVIITVTMATEPILFGEWVKPGAHINAVGASRPDWRELDDEL | |
| Mouse | 180 | | |
| Human | 181 | EAL | |
| Rat | 240 | MKQAVLYVDSREAALKESGDVLLSGADIFAELGEVVSGAKPAYCEKTTVFKSLGMAVEDL | |
| Mouse | 240 | -RH | |
| Human | | -ETK-VHT | |
| Rat | 300 | VAAKLVYDSWSSGK | |
| Mouse | 300 | | |
| Human | | I | |
| Gidaii | 501 | - • | |

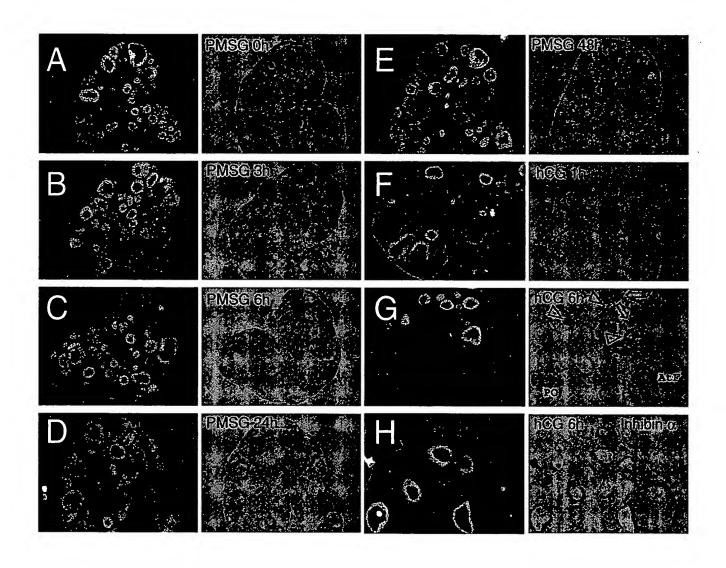


F16.2

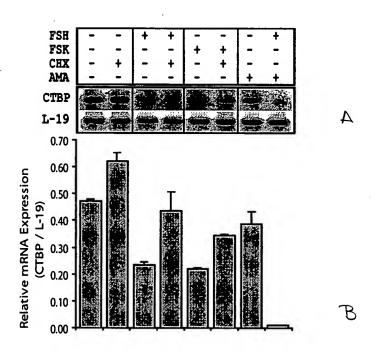


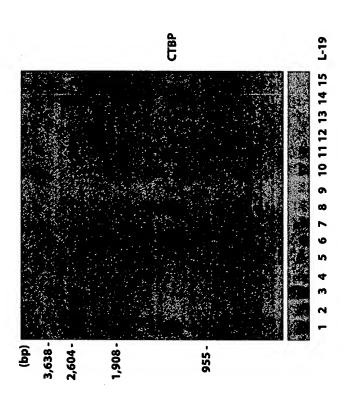
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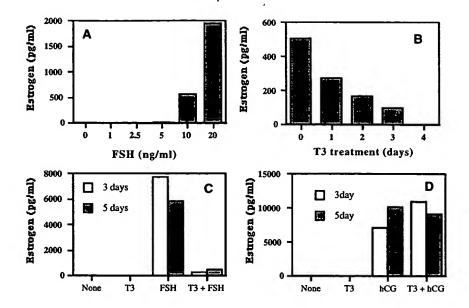


Fig. 7

FSH + CTBP - FSH + T3 + CTBP -

Estrogen (%)

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(A) DNA sequence: SEQ ID NO.11

1 gtggcgagca ggaaaaaatgg cggccgggtt caaaactgtg gaaccgctgg agtattacag 61 gagatttctg aaagaaaact gccgtccaga tggaagagaa cttggtgaat tcagaaccac 121 aactgtcaac ataggttcga tcagtacagc ggatggctct gctctagtga agctggggaa 181 caccacagte atttgtggag ttaaagcaga atttgcagca ccaccagtag atgcccctga 241 tagaggatat gtcgtcccta atgtggacct accaccgctg tgttcatcga ggtttcggac 301 tggacctcct ggagaagagg ctcaagtaac cagccagttc attgcagatg tcattgagaa 361 ctcacacata attaagaaag aggacttatg catttctcca qqqaaqcttq cttqqqttct 421 atactgtgac cttatttgcc tagactacga tgggaacatt ttggatgcct gcacatttgc 481 tttgttagca gctttaaaga atgtacagtt gcctgaagtt actataaatg aagaaactgc 541 tttagcggaa gtcaatttaa agaagaaaag ttatttgaat gttagagcaa acccagttgc 601 tacttcattt gctgtgtttg atgacacttt gctgatagtc gatcctaccg gggaggaggg 661 gcaccctgtc cacaggaacc ttaaccgtag taatggacga ggaaggcaag ctgtgctgtc 721 ttcacaagcc aggtgggagt gggctgctgg agctaaactt caggactgca tgagtcgagc 781 agtaacgaga cacaaagaag tgagcaaact actggatgaa gtaattcaga gcatgaaaca 841 caaa<u>tga</u>aca gacgccacga ttgtaaaaca gctgtaaaaa ttgtatttgt tacactgtgc Start codon and stop codon are indicated by bold letters

(F) Protein sequence: SEQ 1D. NO. 12

MAAGFKTVEPLEYYRRFLKENCRPDGRELGEFRTTTVNIGSISTADGSALVKLGNTTVICGVKAEFAAP PVDAPDRGYVVPNVDLPPLCSSRFRTGPPGEEAQVTSQFIADVIENSHIIKKEDLCISPGKLAWVLYCDL ICLDYDGNILDACTFALLAALKNVQLPEVTINEETALAEVNLKKKSYLNVRANPVATSFAVFDDTLLIV DPTGEEGHPVHRNLNRSNGRGRQAVLSSQARWEWAAGAKLQDCMSRAVTRHKEVSKLLDEVIQSM KHK

(6) open reading frame: SEQID NO. B

1 gtggcgagcaggaaaa 17 atggcggccgggttcaaaactgtggaaccgctggagtattacagg MAAGFKTVEPLEYYR 62 agatttctgaaagaaactgccgtccagatggaagagaacttggt RFLKENCRPDGRELG 107 gaattcagaaccacaactgtcaacataggttcgatcagtacagcg EFRTTTVNIGSISTA 152 gatggctctgctctagtgaagctggggaacaccacagtcatttgt DGSALVKLGNTTVIC 197 ggagttaaagcagaatttgcagcaccaccagtagatgcccctgat GVKAEFAAPPVDAPD 242 agaggatatgtcgtccctaatgtggacctaccaccgctgtgttca RGYVVPNVDLPPLCS 287 tcgaggtttcggactggacctcctggagaagaggctcaagtaacc SRFRTGPPGEEAQVT 332 agccagttcattgcagatgtcattgagaactcacacataattaag SQFIADVIENSHIIK 377 aaagaggacttatgcatttctccagggaagcttgcttgggttcta K E D L C I S P G K L A W V L 422 tactgtgaccttatttgcctagactacgatgggaacattttggat YCDLICLDYDGNILD 467 gcctgcacatttgctttgttagcagctttaaagaatgtacagttg ACTFALLAALKNVOL 512 cctgaagttactataaatgaagaaactgctttagcggaagtcaat PEVTINEETALAEVN 557 ttaaagaagaaaagttatttgaatgttagagcaaacccagttgct